

WE CLAIM:

1. A vibration damper (3), comprising a body part (10), via which the damper can be fastened to the object to be dampened, an oscillating piece (20) movably
5 arranged in the space (19) of the body part (10) and fastened by at least one spring (29) to the body part, **characterized** in that the oscillating piece (20) consists of more than one part (21, 22, 23, 24, 25, 26, 27), removably fastened to each other.
2. A damper according to claim 1, **characterized** in that the oscillating piece (20)
10 comprises two end pieces and a number of intermediate pieces (25) arranged between the end pieces.
3. A damper according to claim 1 or 2, **characterized** in that the oscillating piece (20) is essentially cylindrical in form and it comprises a through-hole (20.1) parallel with its longitudinal axis.
- 15 4. A damper according to claim 1, **characterized** in that the body part (10) comprises a cylindrical space (19), limited by the first (11) and the second (12) end wall and with a guide shaft (13) for oscillating piece being arranged along the center axis of the cylindrical space, the guide shaft comprising a space (15) and openings (16,17) adjacent the opposite ends thereof for forming a flow connection.
20 between the space of the guide shaft (15) and the space of the body part (19).
5. A damper according to claim 4, **characterized** in that means (18) for adjusting the flow connection between the space (15) of the guide shaft and the space of the body part (19) are provided in connection with the space (15) of the guide shaft.
6. A damper according to claim 2, **characterized** in that bearing means (23, 24)
25 for the oscillating piece have been arranged in connection with the end pieces (21, 22).

7. A damper according to claim 4, **characterized** in that the oscillating piece is arranged to be supported by the first (11) and the second (12) end wall by means of springs (29).
8. A damper according to claim 2, **characterized** in that the intermediate pieces
5 comprise adjusting discs (25.1, 25.2, 25.3) and support sleeves (25.4).
9. A method of producing a vibration damper (3), in which a movable oscillating piece (20) is arranged in the space of the body part (10) via at least one spring (29), **characterized** in that the oscillating piece (20) is formed by fastening a number of parts (21, 22, 23, 24, 25, 26, 27) to each other.
- 10 10. An arrangement for reducing the vibrations of an engine in a piston engine comprising an assembly of an engine (1) and at least one auxiliary (2); such as a turbocharger, in which the said at least one auxiliary (2) is rigidly attached to the engine, **characterized** in that a vibration damper (3) is fastened in connection with the said at least one auxiliary (2),
- 15 11. An arrangement for reducing the vibrations of an engine according to claim 10, **characterized** in that the dampening arrangement comprises means (5, 6) for controlling temperature connected to the medium circulation (4) of the engine.